

# Recovery Plan Action Status

Plan Name: Louisiana Pearlshell

Plan Status: Final

Plan Date: 03-Dec-90

Lead Agency: USFWS

Lead Office: Louisiana Ecological Services Field Office

(37)

(291-3100 )

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Louisiana pearlshell (Margaritifera hembeli)	1	1.1	Develop and implement management plan	Complete	Prior to FY 1995	FY 1995 - FY 1999	U.S. Forest Service	Management: General	Internal Administrative	The Revised Land and Management Resources Plan for KNF contains management guidelines for the LA pearlshell
Louisiana pearlshell (Margaritifera hembeli)	1	1.2	Conduct population surveys	Ongoing Current	FY 2006	FY 2013	U.S. Forest Service, Louisiana Department of Wildlife and Fisheries	Research: Population Surveys	Internal Field Assistance	At this time range-wide surveys of the Bayou Rigolette watershed and the Bayou Boeuf watershed have been completed. Those surveys were conducted by LDWF, NNFH, and KNF, and coordinated with the LFO. Data analysis not yet completed. Survey reports for private land were prepared by LNHP and for public land by the USFS. The USFS will continue to survey their mussel streams on a 3 year rotation.

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Louisiana pearlshell (Margaritifera hembeli)	1	2	Life history research	Ongoing Current	Prior to FY 1995	FY 2012	Region 4 - Fisheries	Research: General	Internal Technical Assistance	Funding was provided to Iowa State University to document population genetic structure, the extent of gene flow, and historical connections between LPM populations. Those studies have been completed and Dr. Roe issued final report. Life history studies (i.e., fish host studies) were funded by the Service in 2005 and were initiated by NNFH. Due to manpower and funding constraints, however, those studies were delayed. In 2010, the NNFH re initiated those studies. As according to primary researcher, Tony Brady, the 2011 study year was completed and preliminary data analysis was completed. The host fish (es) species was not identified. The reproductive timing was identified to be mainly in March (Feb through April) and the reproductive period is only once annually. Studies will resume in 2012 to gather more life history information and to identify the species of host fish (es).

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Louisiana pearlshell (Margaritifera hembeli)	2	3.1	Feasibility of reintroductions	Not Started			U.S. Forest Service, Louisiana Department of Wildlife and Fisheries , Region 4 - Ecological Services, Region 4 - Fisheries	Management: Propagation	Labor type not yet selected	Contingent upon completion of life history studies.
Louisiana pearlshell (Margaritifera hembeli)	2	3.2	Develop method for reintroductions	Not Started			U.S. Forest Service, Louisiana Department of Wildlife and Fisheries , Region 4 - Ecological Services, Region 4 - Fisheries	Research: Propagation	Labor type not yet selected	Contingent upon completion of task 3.1
Louisiana pearlshell (Margaritifera hembeli)	2	3.3	Reintroduce species	Not Started			U.S. Forest Service, Louisiana Department of Wildlife and Fisheries , Region 4 - Ecological Services, Region 4 - Fisheries	Management: Propagation	Labor type not yet selected	Contingent upon completion of task 3.2